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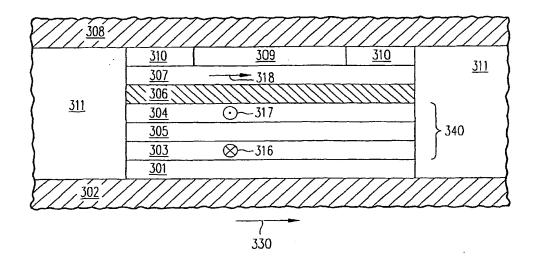
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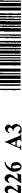
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TUNNEL JUNCTION AND CHARGE PERPENDICULAR-TO-PLANE MAGNETIC RECORDING SENSORS AND METHOD OF MANUFACTURE



(57) Abstract: Magnetic tunnel junction (MTJ) and charge perpendicular-to-plane (CPP) magnetic sensors are disclosed which have a first antiferromagnetic layer for pinning the magnetization direction in a pinned layer and a second antiferromagnetic layer for providing bias stabilization of a free layer. The two antiferromagnetic layers may be formed from the same material and using a spin-flop effect may be initialized simulataneously. A disk drive using these sensors is disclosed.





INTERNATIONAL SEARCH REPORT

national Application No

	INTERNATIONAL SEARCH R	EPORI	ruf/GB 02	2/01130	
A. CLASS IPC 7	IFICATION OF SUBJECT MATTER G01R33/09			?*	
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IPC 7	G01R G11B	mon symbols)			
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Electronic d	ata base consulted during the international search (name of data b	ase and, where practical,	search terms used	<u> </u>	
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